

ABSTRACT OF THE DISCLOSURE

The digital elevation knob is a digital replacement for a conventional elevation knob of a telescopic rifle sight. The knob is mounted to the rifle scope by a cylindrical body having a pair of flanges. The flanges are adapted for securing a microcomputer to the knob. A display screen is disposed on the front surface of the microcomputer. Inputs supply data to the microcomputer that processes the data. When the elevation knob is turned it turns a screw that is secured to a targeting element. The screw causes the targeting element to move vertically. A displacement sensor determines how much the targeting element has moved and sends a signal to the microcomputer. The input data and the information from the sensor are processed using trajectory programs and ballistic tables. The results of the data processing are projected on the display screen. The display informs the rifleperson of necessary adjustments.